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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/524,590	03/14/2000	Philip R Krause	READ-REL-CIP-031400	8636
35197	7590	03/05/2004	EXAMINER	
PHILIP R KRAUSE 9437 SEVEN LOCKS RD BETHESDA, MD 20817			NGUYEN, CHAU T	
			ART UNIT	PAPER NUMBER
			2176	
DATE MAILED: 03/05/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

14

Office Action Summary

Application No.

09/524,590

Applicant(s)

KRAUSE, PHILIP R

Examiner

Chau Nguyen

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 December 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Amendment A, filed on 12/16/2003, has been entered. Claims 1-35 are presented for examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11, 17, and 23-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Warnock et al. (Warnock), U.S. Patent No. 5,634,064, and Kubota, U.S. Patent No. 6,041,323, and further in view of MPEP (Manual of Patent Examining Procedure) electronic publication was created with INSIGHT software, copyright (c) 1998 Enigma.

4. As to claim 1, Warnock discloses a method of using a computer system to enhance a reader's reading of an electronic text comprising the steps of:

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a) accessing, using the computer system, at least one text, each text containing at least one section of text (Abstract: viewing electronic documents by selecting an article to be displayed and displaying at least a portion of the article on an output device);

b) identifying at least one reference, contained in a section of text, to at least one concept (col. 2, lines 38-55, col. 3, lines 3-22, and Fig. 3c: document includes both article section information and section link information);

d) providing information about a reference (col. 2, line 56 – col. 3, line 2);

However, Warnock does not disclose c) identifying at least one reference, contained in at least one additional section of text, to a concept related to the concept identified in step (b). In the same field of endeavor, Kubota discloses a system outputs result of search on a screen a list of titles 927 on various articles (sections of text) relating to Olympics (concept) (col. 11, line 50 – col. 12, line 3 and Fig. 11). Since Kubota discloses a search engine has capabilities to search the index file with a search character string (reference), returns a number of documents containing the input search character string, and displays them as electronic documents so user can access them, thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching Kubota into the method viewing electronic documents of Warnock to include at least one reference containing in at least one additional section of text to a concept related to the concept identified. By doing so, it would provide user more information to read based on the input reference from user.

However, Warnock and Kubota do not explicitly disclose without input from the reader between steps (b) and (d), inclusive. In the same field of endeavor, the MPEP electronic publication teaches searching for keywords such as “double patenting” in the MPEP book from a user, displaying each section of text containing “double patenting” keywords (concepts), displaying references such as chapters containing the concepts “double patenting”, and displaying the references (chapters) identified above without any input from the user (pages 1-5). Since the MPEP electronic publication book is similar to the method and apparatus for viewing electronic documents of Warnock and Kubota, thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the MPEP electronic publication book with Warnock and Kubota to include displaying each section of text containing “double patenting” keywords (concepts), displaying references such as chapters containing the concepts “double patenting”, and displaying the references (chapters) identified above without any input from the user to provide a better reading electronic system to users.

5. As to claim 2, Warnock, Kubota, and MPEP electronic publication book (Warnock-Kubota-MPEP) disclose wherein the section of text in step (b) is displayed by the computer system (Warnock, col. 2, lines 38-55; MPEP; pages 1-5).

6. As to claim 3, Warnock-Kubota-MPEP disclose wherein said text displayed by the computer system contains a first reference to a concept, wherein said first reference

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is also contained in an index to the text, wherein a reference to said concept is identified in step 1(c) based on its appearance in at least one index to a text, and wherein the information provided includes a link to the reference identified in step 1(c) (Kubota, col. 12, line 60 – col. 13, line 20; MPEP, pages 1-5).

7. As to claim 4, Warnock-Kubota-MPEP disclose wherein the computer system uses an index to store information about at least one reference to at least one concept, said information including a pointer to said reference to said concept (Kubota, col. 10, lines 29-48 and col. 12, line 60 – col. 13, line 20; MPEP, pages 1-5).

8. As to claims 5 and 7, Warnock-Kubota-MPEP disclose wherein the index is a concordance (Kubota, Fig. 11: the text in the box 907 is derived from first one in the index list 927; MPEP, pages 1-5).

9. As to claim 6, Warnock-Kubota-MPEP disclose wherein a pointer to a reference to a concept is derived from an index of at least on text (Kubota, Fig. 11: the text in the box 907 is derived from first one in the index list 927; MPEP, pages 1-5).

10. As to claim 8, Warnock-Kubota-MPEP disclose wherein the computer system obtains input from the reader regarding the types of relationships between references to concepts to provide information about in step (d) (Kubota, col. 11, line 50 – col. 12, line 3; MPEP, pages 1-5).

11. As to claim 9, Warnock-Kubota-MPEP disclose wherein the computer system obtains input from the reader regarding the strength of relationships between related concepts to provide information about (Kubota, Abstract and col. 10, lines 29-58; MPEP, pages 1-5).

12. As to claim 10, Warnock-Kubota-MPEP disclose wherein the computer system obtains input from the reader identifying at least one text for application of this method (Kubota, Fig. 11; MPEP, pages 1-5).

13. As to claim 11, Warnock-Kubota-MPEP disclose wherein the method of identifying related concepts comprises analyzing for the shared presence of certain words (Kubota, col. 11, line 50 – col. 12, line 3; MPEP, pages 1-5).

14. As to claim 17, Warnock-Kubota-MPEP disclose wherein the method of identifying related concepts comprises analyzing at least one concordance of at least one text (Kubota, Fig. 11: the text in the box 907 is derived from first one in the index list 927; MPEP, pages 1-5).

15. As to claim 23, Warnock-Kubota-MPEP disclose wherein references to concepts in steps (b) and (c) are included in an index of the at least one text (Kubota, Fig. 11: the text in the box 907 is derived from first one in the index list 927; MPEP, pages 1-5).

16. As to claim 24, Warnock-Kubota-MPEP disclose wherein the information provided in step (d) includes a link providing access to a related section of text (Warnock, col. 2, line 38 – col. 3, line 2; MPEP, pages 1-5).

17. As to claim 25, Warnock-Kubota-MPEP disclose wherein the information provided in step (d) includes presentation of a list of relationships identified between sections of at least one text (Warnock, Fig. 3c; MPEP, pages 1-5).

18. As to claim 26, Warnock-Kubota-MPEP disclose wherein the information provided in step (d) includes presentation of information about the relationship identified in step (c) (Warnock, Fig. 3c; MPEP, pages 1-5).

19. As to claim 27, Warnock-Kubota-MPEP disclose wherein the information provided in step (d) includes presentation of the related section of text (Warnock, Fig. 3c; MPEP, pages 1-5).

20. As to claim 28, Warnock-Kubota disclose wherein the information provided in step (d) is provided on an outline of at least one text (Warnock, Fig. 3c; MPEP, pages 1-5).

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21. As to claim 29, Warnock-Kubota disclose wherein the materials searched by the computer system are on a single computer system (Warnock, col. 3, line 63 – col. 4, line 34; MPEP, pages 1-5).

22. As to claim 30, Warnock-Kubota-MPEP disclose wherein the materials searched by the computer system are made available through at least one computer network (Warnock, Fig. 1; MPEP, pages 1-5).

23. As to claim 31, Warnock-Kubota-MPEP disclose wherein the reader is provided with an index of concepts referred to in at least one text, said index containing the following features:

a) ability to sort the index (Kubota, col. 11, line 57 – col. 12, line 3 and Fig. 14; MPEP, pages 1-5); and

b) information regarding the frequency and location of discussions of the concepts (Kubota, Abstract, col. 9, line 63 – col. 10, line 64 and col. 10, lines 29-48; MPEP, pages 1-5).

24. Claims 32-35 are corresponding method, system, and memory storage claims containing similar limitations as the methods described in claims 1-11, 17 and 23-31 above; therefore, they are rejected under the same rationale.

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25. Claims 12-16 and 18-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Warnock, Kubota, and the MPEP electronic publication book as applied to claims 1-11, 17, and 23-35 above, and further in view of Buguraev, U.S. Patent No. 6,212,494.

26. As to claim 12, Warnock-Kubota-MPEP disclose all the limitations as discussed in claims 1-11 above. However, Warnock-Kubota-MPEP do not disclose wherein the method of identifying related concepts comprises analyzing for the shared presence of combinations of certain words in a specific order and within a specified proximity of one another. In the same field of endeavor, Buguraev discloses a method for creating a catalog comprising key terms, properties thereof, relations involving those key terms for a given topic comprises clustering key terms on the basis of proximity in terms of their relative position in the text (col. 4, line 60 – col. 5, line 48). Since Buguraev teaches a method for creating a glossary, index, help database or the like, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the index method of Buguraev into the search system of Warnock and Kubota to include gathering key terms on the basis of proximity in terms of relative position in the text. By doing so, it would create an online help database useful in providing online assistance to users in performing a task.

27. As to claim 13, Warnock-Kubota-MPEP and Buguraev (Warnock-Kubota-MPEP-Buguraev) disclose wherein the method of identifying related concepts comprise

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analyzing for shared patterns of word usage that are recognized by the computer system to relate to a concept (Buguraev, col. 4, line 60 – col. 5, line 48).

28. As to claim 14, Warnock-Kubota-MPEP-Buguraev disclose wherein the method of identifying related concepts comprises analyzing for the shared presence of at least one word that appears in the text with a specified frequency relative to other words (Buguraev, col. 4, line 60 – col. 5, line 48).

29. As to claim 15, Warnock-Kubota-MPEP-Buguraev disclose wherein the method of identifying related concepts comprises analyzing for the presence of a synonym of at least one word (Buguraev, col. 4, line 60 – col. 5, line 48).

30. As to claim 16, Warnock-Kubota-MPEP-Buguraev disclose wherein the method of identifying related concepts comprises analyzing for the shared citation of related sources (Buguraev, col. 4, line 60 – col. 5, line 48).

31. As to claim 18, Warnock-Kubota-MPEP-Buguraev disclose wherein the method of identifying related concepts comprises analyzing commands embedded within text (Buguraev, col. 4, line 60 – col. 5, line 48).

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32. As to claim 19, Warnock-Kubota-Buguraev disclose wherein the method of identifying related concepts is based on statistical analysis of word usage (Buguraev, col. 4, line 60 – col. 5, line 48).

33. As to claim 20, Warnock-Kubota-MPEP-Buguraev disclose wherein concepts are considered to be related when the concepts are identical (Buguraev, col. 4, line 60 – col. 5, line 48).

34. As to claim 21, Warnock-Kubota-MPEP-Buguraev disclose wherein concepts are considered to be related when one concept is included within another (Buguraev, col. 4, line 60 – col. 5, line 48).

35. As to claim 22, Warnock-Kubota-MPEP-Buguraev disclose wherein two concepts are considered to be related when they are both related to a third concept (Buguraev, col. 4, line 60 – col. 5, line 48).

Response to Arguments

36. Applicant's arguments and amendments filed on 12/16/2003 have been fully considered but they are not deemed fully persuasive. Applicant's arguments with respect to claims 1-35 have been considered but are moot in view of the new ground(s) of rejection as explained here above, necessitated by Applicant's substantial amendment (i.e., without input from the reader between steps (b) and (d), inclusive) to the claims which significantly affected the scope thereof.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chau Nguyen whose telephone number is (703) 305-4639. The examiner can normally be reached at 8:00 am – 5:00 pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (703) 305-9792. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3230.

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Any response to this final action should be mailed to:

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Or Faxed to:

(703) 872-9306, (for **formal communications**; please mark
"EXPEDITE PROCEDURE").

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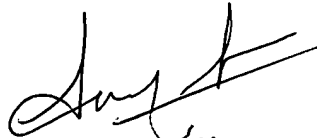
(703) 746-7240 (for **informal or draft communications**, please label
"PROPOSED" or "DRAFT").

Or:

(703) 872-9306 (for **After Final Communications**).

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal
Drive, Arlington, VA., Sixth Floor (Receptionist).

Chau Nguyen
Patent Examiner
Art Unit 2176


SANJIV SHAH
PRIMARY EXAMINER